

FORM PTO-1390

U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No.

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

1751-403

U.S. Application No. (if known)

10/577552
New Application

INTERNATIONAL APPLICATION NO.
PCT/KR2004/002770

INTERNATIONAL FILING DATE
October 30, 2004

PRIORITY DATE CLAIMED
October 30, 2003

TITLE OF INVENTION
PROCESSES FOR THE PREPARATION OF CEPHEM DERIVATIVES

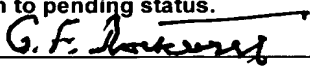
APPLICANT(S) FOR DO/EO/US
Dae Won SEO et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

ITEMS 11. TO 20. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☒ A substitute specification.
16. ☐ A power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
 [X] RO/101 [X] ISA/220 [X] ISA/210(ISR) [X] Written Opinion [X] IB/301 [X] IB/308 (1st notice)
 [X] IB/308 (2nd notice) [X] IB/332 [X] IPEA/416 [X] IPEA/409(IPER)
 [X] Published Application WO 2005/042543 A1

U.S. APPLICATION NO. (if known) New Application 201577552		INTERNATIONAL APPLICATION NO. PCT/KR2004/002770		ATTORNEY DOCKET NO. 1751-403	
The following fees are submitted:					
21. <input checked="" type="checkbox"/> Basic National Fee \$300.00				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination Fee If the written opinion prepared by ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations..... \$200.00				\$ 200.00	
23. <input checked="" type="checkbox"/> Search Fee If the written opinion of the ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100.00 International Search Report prepare and provided to the Office..... \$400.00 All other situations..... \$500.00				\$ 400.00	
TOTAL OF 21,22 and 23=				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or a fraction thereof.				\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Rate		
- 100=	/ 50		X 250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
Claims	Number Filed	Number Extra	Rate		
Total Claims	16-20 =	0	X \$50.00	\$	
Independent Claims	4- 3 =	1	X \$200.00	\$ 200.00	
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 1100.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 40.00	
TOTAL NATIONAL FEE =				\$ 1140.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 1140.00	
				Amount to be refunded	\$
				charged	\$
a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of \$ <u>1100.00 and 40.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: Customer No. 6449			 Signature		
G. Franklin Rothwell Rothwell, Figg, Ernst & Manbeck 1425 K St., N.W. Washington, D.C. 20005 Phone: 202/783-6040			G. Franklin Rothwell Name		
			18,125 Registration Number		

10/577552

1AP20Rec'd PCT/PTO 28 APR 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 371 of PCT/KR2004/002770
Applicant : Dae Won SEO et al.
Filed : Herewith
TC/A.U. : Not Yet Assigned
Examiner : Not Yet Assigned

Docket No. : 1751-403
Customer No. : 06449
Confirmation No. : Not Yet Assigned

SUBMISSION OF SUBSTITUTE SPECIFICATION

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

A substitute specification is being submitted herewith. A clean copy and marked copy
of the specification are attached. No new matter has been added.

Respectfully submitted,

By: G. F. Rothwell
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Registration No. 18,152
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